Please amend the claims as follows. This listing of claims will replace all prior versions, and

Listings of Claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A method to boot up a server using a target storage device selected from a plurality of independent storage devices over a network, comprising:

installing an operating system by storing the operating system and a dynamic configuration program in the target storage device selected from the plurality of independent storage devices on the network where wherein the location of the target storage device is designated by an internet protocol (IP) address; and

accessing the operating system on the target storage device using the IP address and the dynamic configuration program, the accessing occurring through data block transfers.

Claim 2 (Original): A method to boot up a server as recited in claim 1, wherein the installing includes,

determining network system configuration after power on,

receiving instruction to install the operating system,

receiving the IP address where the target storage device is located,

finding the target storage device at the internet protocol (IP) address over the network, and

copying the operating system into the target storage device over the network using block data transfer.

Claim 3 (Currently Amended):   A method to boot up a server as recited in claim 1,
further comprising:

~~installing the operating system on~~ setting up an additional server, to be booted up
by the target storage device over the network, by notifying the additional server of the IP
address of the target storage device where the operating system is located.

Claim 4 (Original):   A method to boot up a server as recited in claim 1, wherein the
operating system utilizes a graphical user interface.

Claim 5 (Original):   A method to boot up a server as recited in claim 1, wherein the
target storage device is a one of a disk drive, a CD-R, and a CD-RW.

Claim 6 (Original):   A method to boot up a server as recited in claim 1, wherein the
server communicates with the target storage device by using iSCSI protocol.

Claim 7 (Original):   A method to boot up a server as recited in claim 1, wherein the
server includes an iSCSI card which facilitates iSCSI protocol communications between
the server and the target storage device.

Claim 8 (Original):   A method to boot up a server as recited in claim 1, wherein
accessing the operating system includes,

accessing data at a first sector of a boot device, the location of the first sector

being located in the target storage device designated by the IP address,

retrieving the operating system boot loader at the first sector of the target storage

device, and

booting up using operating system data from the target storage device.

Claim 9 (Currently Amended):   A method to install an operating system on a ~~server~~

target storage device selected from a plurality of independent storage devices in a

subsystem, comprising:

initiating setup to install the operating system;

receiving an IP address of a subsystem where the operating system is to be

stored;

determining ~~a number~~ the plurality of independent storage devices located in the

subsystem;

receiving identification of a target storage device selected from the ~~number~~

plurality of storage devices located in the subsystem; and

installing the operating system in the target storage device selected from a

plurality of independent storage devices in a subsystem using block data transfer.

Claim 10 (Original): A method to install an operating system as recited in claim 9,

wherein initiating setup occurs when a particular keystroke is received.

Claim 11 (Currently Amended):   A method to install an operating system as recited in claim 9, wherein determining the ~~number~~ plurality of independent storage devices located in the subsystem includes,

instructing an ~~option ROM BIOS~~ iSCSI IOP to utilize a kernel to determine the ~~number~~ plurality of storage devices located in the subsystem designated by the IP address.

Claim 12 (Currently Amended):   A method to install an operating system as recited in claim 9, wherein receiving identification of a target storage device includes,

displaying the ~~number~~ plurality of independent storage devices in the subsystem,

receiving input indicating the target storage device to be used as a boot device.

Claim 13 (Original): A method to install an operating system as recited in claim 9, wherein iSCSI is utilized as a data transfer protocol.

Claim 14 (Original): A method to install an operating system as recited in claim 9, wherein the operating system is a graphical user interface system.

Claim 15 (Original): A method to install an operating system as recited in claim 9, wherein installing the operating system includes,

copying operating system files to the target storage device by using the IP address.

Claim 16 (Currently Amended):   A method to install an operating system as recited in claim 9, wherein installing the operating system on the target storage device allows a plurality of servers to be booted up by accessing the operating system on the target storage device through ~~includes installing the operating system on an additional server~~ by notifying the ~~additional server~~ plurality of servers of the IP address of the subsystem with the plurality of independent storage devices and the identification of the target storage device where the operating system is located.

Claim 17 (Currently Amended):   A method to boot up a server ~~using~~ from a target storage device selected from a plurality of independent storage devices over a network, comprising:

retrieving an operating system boot loader at a first sector of the target storage device selected from the plurality of independent storage devices over the network, a location of the target storage device being designated by an IP address stored during an operating system installation process of the target storage device; and

booting up the server using an operating system located on the target storage device by using the operating system boot loader.

Claim 18 (Currently Amended):   A method to boot up a server as recited in claim 17, wherein data transfer of the operating system from the target storage device to the server is accomplished by use of an iSCSI protocol.

Claim 19 (Currently Amended):   A method to boot up a server as recited in claim 17, wherein retrieving the operating system boot loader includes,

instructing an option ROM BIOS to direct a kernel to obtain an operating system boot loader at the first sector,

copying the operating system boot loader into memory on [[a]] the server,

running the operating system boot loader to boot up the server.

Claim 20 (Currently Amended): A method to boot up a server as recited in claim 17, wherein booting up the server includes,

copying operating system data to memory on [[a]] the server.